

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) <div style="border: 1px solid black; border-radius: 50%; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 0 auto;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg); font-weight: bold;">PATENT & TRADEMARK OFFICE</div> <div style="text-align: center;">JUN 07 2004</div> </div>				Docket Number (Optional) BerganoC3		Application Number 10/689,484		
				Applicant(s) Bergano				
				Filing Date 10/20/2003		Group Art Unit		
U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
QZW		4,190,802	02/26/1980	Levine	325	320		
		4,829,598	05/09/1989	Auracher et al	455	619		
		5,050,176	09/17/1991	Naito et al	372	26		
		5,115,332	05/19/1992	Naito et al	359	189		
		5,228,043	07/13/1993	Naito et al	372	32		
		5,319,438	06/07/1994	Kiasaleh	356	345		
		5,463,461	10/31/1995	Horiuchi et al	356	349		
		5,543,952	08/06/1996	Yonenaga et al	359	181		
		6,396,605	05/28/2002	Heflinger et al	359	154		
		6,559,996	05/06/2003	Miyamoto et al	359	181		
✓		2003/0002121	01/02/2003	Miyamoto et al	359	183	06/26/2002	
FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
QZW		Atia et al; "Demonstration of Return-to-Zero Signaling in Both OOK and DPSK Formats to Improve Receiver Sensitivity in an Optically Preamplified Receiver"; 1999; IEEE, pp. 226-227.						
↓		Abbas et al; "Local-Oscillator Excess-Noise Suppression for Homodyne and Heterodyne Detection"; Aug. 1983; Optics Letters, Vol. 8, No. 8; pp. 419-421.						
EXAMINER				DATE CONSIDERED				
				5/1/2006				
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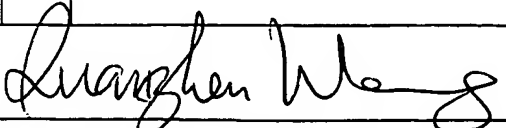
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*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q2h		2003/0007216	01/09/2003	Chraplyvy et al	359	161	11/21/2001
		2003/0007231	01/09/2003	Winzer	359	245	04/26/2002
		2003/0090768	05/15/2003	Liu et al	359	183	11/21/2001
v		2003/0210912	11/13/2003	Leuthold et al	398	188	05/13/2002

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OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>	
	Yonenaga et al; "Reduction of Four-Wave Mixing Induced Penalty in Unequally Spaced WDM Transmission System by Using Optical DPSK" Nov. 7, 1996; Electronics Letters; Vol. 32, No. 23.
	Swanson et al; "High Sensitivity Optically Pre-amplified Direct Detection DPSK Receiver with Active Delay-Line Stabilization"; Feb. 1994; IEEE Photonics Technology Letters, Vol. 6, No. 2, pp. 263-265.

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Q2W	Yonenaga et al; "Dispersion Compensation for Homodyne Detection Systems Using a 10-Gb/s Optical PSK-VSB Signal"; Aug. 1995; IEEE Photonics Technology Letters, Vol. 7, No. 8, pp. 929-931.
	Abbas et al; "A Dual-Detector Optical Heterodyne Receiver for Local Oscillator Noise Suppression"; Oct. 1985; Journal of Lightwave Technology; Vol. LT-3, No. 5; pp. 1110-1122.
	Koyama et al; "Frequency Chirping in External Modulators"; Jan. 1988; Journal of Lightwave Technology; Vol. 6, No. 1; pp. 87-93.
	Park et al; "Crosstalk in a Two-Channel Coherent Fiber Optic ASK System Using an Optical Amplifier and Non-Negligible Linewidth Lasers"; Jan. 1988; Optical Fiber Communications Conference; pp. PD19-1 - PD19-5.
	Gordon et al; "Phase Noise in Photonic Communications Systems Using Linear Amplifiers"; Dec. 1990, Optics Letters; Vol. 15, No. 23; pp. 1351-1353.
	Gordon et al; "Effects of Fiber Nonlinearities and Amplifier Spacing on Ultra-Long Distance Transmission"; Feb. 1991; Journal of Lightwave Technology, Vol. 9, No. 2; pp. 170-173.
	Linke et al; "High-Capacity Coherent Lightwave Systems"; Nov. 1988; Journal of Lightwave Technology; Vol. 6, No. 11; pp. 1750-1769.
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	Elec. Let. October 22, 1987; Vol. 23, No. 22, pp. 1180-1181
	OFC 1997 Technical Digest; pp. 331-332
	Swanson et al; "Optically Preamplified 3 Gb/s DPSK Receiver with 80 Photons/bit Sensitivity"; OFC 1993; pp. 119-122.
V	R.S. Vodhanel; "5 Gbit/s Direct Optical DPSK Modulation of a 1530-nm DFB Laser"; August 1989; "IEEE Photonics Technology Letters, Vol. 1, No. 8; pp. 218-220.
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INFORMATION DISCLOSURE CITATION
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Docket Number (Optional)
TCM137CON2

Application Number
10/689484

Applicant(s)
Neal S. Bergano

Filing Date
10/20/2003

Group Art Unit

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Q2W		5,373,382	12/13/1994	Pirio et al	359	161	
		5,473,458	12/05/1995	Mamyshev et al	359	161	
		5,526,162	06/11/1996	Bergano	359	181	
V		5,946,119	08/31/1999	Bergano et al	359	124	

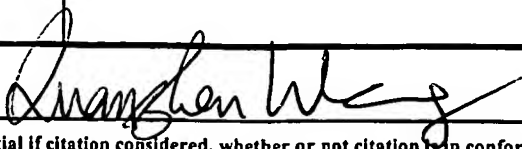
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							YES	NO

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		Bergano et al; "100Gb/s WDM Transmission of Twenty 5 Gb/s NRZ Data Channels Over Transoceanic Distances Using a Gain Flattened Amplifier Chain"; European Conference on Optical Communication (ECOC'95), Paper Th. A.3.1., Brussels, Belgium, Sept. 17-21, 1995.
		Bergano and Davidson; IEEE Journal of Lightwave Technology, Vol. 14, No. 6, p. 1299; June 1996

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Bergano et al; IEEE Phot. Tech. Lett., Vol. 5, No. 3; March 1993

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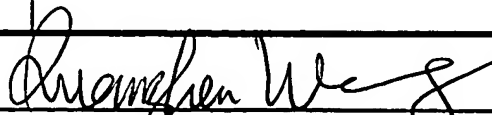
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I		6,407,842	06/18/2002	Ma	359	173	
V		6,556,326	04/29/2003	Bergano	359	181	

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